

Orthophoto Mosaic for Southeast San Juan County, Utah



Data format: Raster Dataset - MrSID

File or table name: San_Juan_SE_UT_DOQQ.sid

Coordinate system: Universal Transverse Mercator

Theme keywords: Digital Orthophoto, Mosaic, DOQ, ortho quad, ortho imagery, USDA, compression, MrSID, MDOQ

Abstract: This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20: 1) and compression levels(10) are used. MDOQs are a mosaic of digital orthophoto quarter quads (DOQs) produced through the National Digital Ortho Photo Program (NDOP). The image characteristics of the orthophotos in this series follow that of the source DOQs. The ground sample distance is 1 meter in the x direction and 1 meter in the y direction and the images are rectified to the UTM Coordinate System, NAD83. Each image covers a 7.5 minute quadrangle with a 300 meter overedge between quads. The DOQs are mosaicked to remove visible seam lines due to characteristics of the source aerial photography. Mosaic cutlines are interactively defined within the DOQ image overedge by examining each DOQ pairwise with adjoining DOQs and placing the seam line where image tone differences and geometric misalignments are minimized. Due to the overedge between ortho quads, and depending on the placement of seam lines, each ortho quad can contain portions of as many as 16 DOQs. During the mosaicking process, the image tone of all input DOQs is adjusted towards a common value. The primary purpose of the ortho quads is to support USDA Field Service Centers located in counties throughout the United States. The DOQs are edge matched or seamed across county boundaries. In counties that are split by UTM zones, ortho quads are reprojected into the predominate zone. Ortho quads may be produced and distributed in an incomplete form when constituent DOQs are not available at production date.

FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)
- [Binary Enclosures](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:**Citation information:****Originators:** USDA-FSA-APFO**Title:**

Orthophoto Mosaic for Southeast San Juan County, Utah

File or table name:** San_Juan_SE_UT_DOQQ.sid**Publication date:** 20030402Geospatial data presentation form:** remote-sensing image***Online linkage:**[\\Terra_dc\Navajo\NAUM_NN_Summary\DB\DOQQ\San_Juan_SE_UT_DOQQ.sid](#)**Description:****Abstract:**

This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20:1) and compression levels(10) are used.

MDOQs are a mosaic of digital orthophoto quarter quads (DOQs) produced through the National Digital Ortho Photo Program (NDOP). The image characteristics of the orthophotos in this series follow that of the source DOQs. The ground sample distance is 1 meter in the x direction and 1 meter in the y direction and the images are rectified to the UTM Coordinate System, NAD83.

Each image covers a 7.5 minute quadrangle with a 300 meter overedge between quads. The DOQs are mosaicked to remove visible seam lines due to characteristics of the source aerial photography. Mosaic cutlines are interactively defined within the DOQ image overedge by examining each DOQ pairwise with adjoining DOQs and placing the seam line where image tone differences and geometric misalignments are minimized. Due to the overedge between ortho quads, and depending on the placement of seam lines, each ortho quad can contain portions of as many as 16 DOQs. During the mosaicking process, the image tone of all input DOQs is adjusted towards a common value.

The primary purpose of the ortho quads is to support USDA Field Service Centers located in counties throughout the United States. The DOQs are edge matched or seamed across county boundaries. In counties that are split by UTM zones, ortho quads are reprojected into the predominate zone. Ortho quads may be produced and distributed in an incomplete form when constituent DOQs are not available at production date.

Purpose:

Digital orthophotos serve a wide variety of purposes from interim mapping to recording land use information.

Supplemental information:

Added a "San_Juan_SE_UT_DOQQ.sid.aux.xml" file to the set of files that comprise this

dataset. This AUX.XML identifies the Projection, Spheroid, and Datum for use of the MrSID file with ArcGIS 9.2.

***Language of dataset:** en

Time period of content:

Time period information:

Multiple dates/times:

Single date/time:

Calendar date: 1993

Single date/time:

Calendar date: 1997

Single date/time:

Calendar date: 1998

Currentness reference:

Majority years of Photography Dates for MDOQs.

Status:

Progress: Complete

Maintenance and update frequency: Irregular

Spatial domain:

Bounding coordinates:

***West bounding coordinate:** -109.895853

***East bounding coordinate:** -108.971376

***North bounding coordinate:** 37.768861

***South bounding coordinate:** 36.856201

Local bounding coordinates:

***Left bounding coordinate:** 598414.000000

***Right bounding coordinate:** 678704.000000

***Top bounding coordinate:** 4180758.000000

***Bottom bounding coordinate:** 4080796.000000

Keywords:

Theme:

Theme keywords: Digital Orthophoto, Mosaic, DOQ, ortho quad, ortho imagery, USDA, compression, MrSID, MDOQ

Theme keyword thesaurus: None

Place:

Place keywords: UT, SAN JUAN, SAN JUAN CO UT FSA, 49037

Place keyword thesaurus: GNIS

Access constraints: None

Use constraints:

None, The Aerial Photography Field Office asks to be credited in derived products.

Point of contact:

Contact information:

Contact organization primary:

Contact organization: USDA-FSA Aerial Photography Field Office

Contact address:

Address type: mailing and physical address

Address:

2222 West 2300 South

City: Salt Lake City

State or province: Utah

Postal code: 84119-2020

Country: USA

Contact voice telephone: 801-973-3500

Contact facsimile telephone: 801-975-3529

Contact electronic mail address: digital@apfo.usda.gov

Browse graphic:

Browse graphic file name: [None](#)

Browse graphic file description:

None

Browse graphic file type: None

***Native dataset format:** Raster Dataset

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

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Data Quality Information:

Logical consistency report:

None

Completeness report:

None

Positional accuracy:

Horizontal positional accuracy:

Horizontal positional accuracy report:

USGS Digital Orthophoto Specs.

Vertical positional accuracy:

Vertical positional accuracy report:

N/A 2d only

Lineage:

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710924

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710924

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710923

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710923

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710922

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710922

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710921

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

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Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710921

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710920

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710920

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710919

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710919

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710918

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1998**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710918

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office

Title:

M3710932

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710932

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710931

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710931

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710930

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710930

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710929

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710929

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710928

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710928

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710927

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710927

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710926

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1998

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710926

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710940

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710940

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710939

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710939

Source information:**Source citation:****Citation information:**

Originators: Aerial Photography Field Office

Title:
M3710938

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:
MDOQ

Source contribution:
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:
Time period information:
Single date/time:
Calendar date: 1997

Source currentness reference:
Majority Year of Source Photography Dates for MDOQ M3710938

Source information:

Source citation:
Citation information:
Originators: Aerial Photography Field Office

Title:
M3710937

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:
MDOQ

Source contribution:
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:
Time period information:
Single date/time:
Calendar date: 1997

Source currentness reference:
Majority Year of Source Photography Dates for MDOQ M3710937

Source information:

Source citation:
Citation information:
Originators: Aerial Photography Field Office

Title:
M3710936

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710936

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710935

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710935

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710934

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710934

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710948

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710948

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710947

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710947

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710946

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710946

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710945

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710945

Source information:**Source citation:**

Citation information:**Originators:** Aerial Photography Field Office**Title:**

M3710944

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710944

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710943

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710943

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710942

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710942

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710956

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710956

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710955

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:**

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710955

Source information:**Source citation:****Citation information:**

Originators: Aerial Photography Field Office

Title:

M3710954

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:**

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710954

Source information:**Source citation:****Citation information:**

Originators: Aerial Photography Field Office

Title:

M3710953

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:**

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710953

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710952

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710952

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710951

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1993

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710951

Source information:

Source citation:**Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710950

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710950

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710964

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710964

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710963

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710963

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710962

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710962

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710961

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710961

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710960

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3710960

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3710959

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:
Calendar date: 1993

Source currentness reference:
Majority Year of Source Photography Dates for MDOQ M3710959

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:
M3710958

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:
MDOQ

Source contribution:
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:
Calendar date: 1993

Source currentness reference:
Majority Year of Source Photography Dates for MDOQ M3710958

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:
M3610908

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:
MDOQ

Source contribution:
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:
Calendar date: 1997

Source currentness reference:
Majority Year of Source Photography Dates for MDOQ M3610908

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3610907

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3610907

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3610906

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3610906

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3610905

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3610905

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3610904

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:

Time period information:

Single date/time:

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3610904

Source information:

Source citation:

Citation information:

Originators: Aerial Photography Field Office

Title:

M3610903

Publication date: 20030402

Source scale denominator: 40000

Type of source media: CD

Source citation abbreviation:

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:**

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3610903

Source information:**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3610902

Publication date: 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

Source contribution:

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

Source time period of content:**Time period information:****Single date/time:**

Calendar date: 1997

Source currentness reference:

Majority Year of Source Photography Dates for MDOQ M3610902

Process step:**Process description:**

The production procedures for mosaicking DOQs in ortho quads can vary according to the work project area. The following steps apply to the mosaicking process in general.

Image Tone Adjustment

The area of coverage that images are matched within are individual counties. Image tone adjustment is performed for two primary reasons:

1. To produce a well contrasted image so that users are not required to adjust the tone upon display or to create an enhancement lookup table upon delivery.
2. To reduce visible tone differences between mosaic seam lines.

Methods of Image tone adjustment:

-- Manual Contrast Adjustment

Each input DOQ image is viewed and, if necessary, the contrast and brightness is adjusted.

-- Automatic Contrast Adjustment

Each input DOQ within a county is also run through an automatic tone or range adjustment that drives all input images toward a common value. The intention is to reduce vignetting and "hot spots" from the source photography, and to minimize tone differences along mosaic seam lines.

-- Seam Feathering

Tone adjustment between input DOQs is adjusted along a gradation a specified distance out from the seam line. This smooths or feathers abrupt tone differences which would otherwise highlight seam lines.

Defining Mosaic Seam Lines

Input DOQs are displayed pairwise so the operator can decide where, within the overedge area, to place the seam lines. In general, the goal is to reduce visible seam lines due to differences in source photography.

Specifically, the goal is to: 1) Present single contiguous agricultural fields as though they are from a single date of source photography. 2) To minimize the visible effects of geometric misalignments between DOQs, such as an offset in linear field boundaries where adjoining DOQs meet.

The operator continually evaluates image tone differences and geometric misalignments between adjoining DOQs and interactively places the seam where both are minimized. DOQs are edge matched, or seamed, across county boundaries.

Mosaic Generation

Image 7.5 minute quad tiles are either generated individually and sequentially as work progresses through a project, or cut out from a larger mosaic after it is generated. Since the imagery is being resampled to the same coordinate system, nearest neighbor resampling is used.

Rules for Seam Line Placement:

1. Misalignments less than 3 meters with same photography dates.
 - No Restrictions on seam line placement.
2. Misalignments less than 3 meters with different photography dates.
 - Place seam in non-agricultural areas such as roadway easements, waterways etc..

- Place seam in same apparent landcover type or conditions in agricultural areas such as pastures, fallow fields or cropped fields.

3. Misalignments greater than 3 meters with same photography dates.

- If possible, avoid crossing linear features in agricultural areas with seam line.

4. Misalignments greater than 3 meters with different photography dates.

- If possible, avoid crossing linear features in agricultural areas with seam line.

- Place seam in non-agricultural areas such as roadway easements, waterways etc..

- Place seam in same apparent landcover type or conditions in agricultural areas such as pastures, fallow fields or cropped fields.

This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20:1) and compression levels(10) are used.

Process date: 20030402

Process step:

Process description:

Added a "San_Juan_SE_UT_DOQQ.sid.aux.xml" file to the set of files that comprise this dataset. This AUX.XML identifies the Projection, Spheroid, and Datum for use of the MrSID file with ArcGIS 9.2.

Process software and version: ESRI ArcGIS 9.2

Process date: July 9, 2007

Process contact:

Contact information:

Contact organization primary:

Contact organization: TewrraSpectra Geomatics

Contact address:

Address type: mailing and physical address

Address:

2700 E Sunset Rd, Ste A-10

City: Las Vegas

State or province: NV

Postal code: 89120

Country: USA

Contact voice telephone: 702-795-8254

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Spatial Data Organization Information:

Indirect spatial reference method:

SAN JUAN, UT

*Direct spatial reference method: Raster

Raster object information:

*Image format: MrSID

*Number of bands: 1

*Row count: 99962

*Column count: 80290

*Vertical count: 1

*Cell size X direction: 1.000000

*Cell size Y direction: 1.000000

*Bits per pixel: 8

*Pyramid layers: TRUE

*Image colormap: FALSE

*Compression type: Wavelet

*Raster object type: Pixel

*Raster display type: pixel codes

*Raster origin: Upper Left

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Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

*Projected coordinate system name: NAD_1983_UTM_Zone_12N

*Geographic coordinate system name: GCS_North_American_1983

Planar:

Grid coordinate system:

*Grid coordinate system name: Universal Transverse Mercator

Universal Transverse Mercator:

*UTM zone number: 12

Transverse mercator:

*Scale factor at central meridian: 0.999600

*Longitude of central meridian: -111.000000

*Latitude of projection origin: 0.000000

*False easting: 500000.000000

*False northing: 0.000000

Planar coordinate information:

*Planar coordinate encoding method: row and column

Coordinate representation:

- ***Abscissa resolution:** 1.000000
- ***Ordinate resolution:** 1.000000
- ***Planar distance units:** meters

Geodetic model:

- ***Horizontal datum name:** North American Datum of 1983
- ***Ellipsoid name:** Geodetic Reference System 80
- ***Semi-major axis:** 6378137.000000
- ***Denominator of flattening ratio:** 298.257222

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Entity and Attribute Information:

Detailed description:

- ***Name:** Band_1

Entity type:

- ***Entity type label:** Band_1
- ***Entity type type:** Table
- ***Entity type count:** 240

Attribute:

- ***Attribute label:** ObjectID
- ***Attribute alias:** ObjectID
- ***Attribute definition:**
Internal feature number.
- ***Attribute definition source:**
ESRI

- ***Attribute type:** OID
- ***Attribute width:** 4
- ***Attribute precision:** 0
- ***Attribute scale:** 0

Attribute domain values:

- ***Unrepresentable domain:**
Sequential unique whole numbers that are automatically generated.

Attribute:

- ***Attribute label:** Value
- ***Attribute alias:** Value
- ***Attribute type:** Integer
- ***Attribute width:** 0
- ***Attribute precision:** 0
- ***Attribute scale:** 0

Attribute:

- ***Attribute label:** Count
- ***Attribute alias:** Count
- ***Attribute type:** Integer
- ***Attribute width:** 0

*Attribute precision: 0

*Attribute scale: 0

Overview description:

Entity and attribute overview:

8-bit pixels represent brightness values 0 - 255

Entity and attribute detail citation:

None

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Distribution Information:

Distributor:

Contact information:

Contact person primary:

Contact person: Supervisor Digital Services Branch

Contact organization: USDA-FSA Aerial Photography Field Office

Contact address:

Address type: mailing and physical address

Address:

2222 West 2300 South

City: Salt Lake City

State or province: Utah

Postal code: 84119-2020

Country: USA

Contact voice telephone: 801-975-3500

Contact facsimile telephone: 801-975-3529

Contact electronic mail address: digital@apfo.usda.gov

Resource description: Spot Number: 417530

Distribution liability:

In no event shall the creators, custodians, or distributors of this information be liable for any damages arising out of its use (or the inability to use it).

Standard order process:

Digital form:

Digital transfer information:

Format name: Tiff

Format information content:

Black and White

*Transfer size: 389.200

*Dataset size: 389.200

Digital transfer option:

Online option:

Computer contact information:

Network address:

Network resource name: [None](#)

Offline option:

Offline media: CD-ROM

Recording format: ISO 9660

Fees: Contact the Aerial Photography Field Office for more information

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Metadata Reference Information:

***Metadata date:** 20070712

***Language of metadata:** en

Metadata contact:

Contact information:

Contact organization primary:

Contact person: REQUIRED: The person responsible for the metadata information.

Contact organization: USDA-FSA Aerial Photography Field Office

Contact address:

Address type: mailing and physical address

Address:

2222 West 2300 South

City: Salt Lake City

State or province: Utah

Postal code: 84119-2020

Country: USA

Contact voice telephone: 801-975-3500

***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

***Metadata standard version:** FGDC-STD-001-1998

***Metadata time convention:** local time

Metadata extensions:

***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

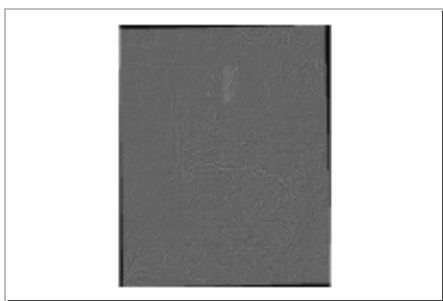
***Profile name:** ESRI Metadata Profile

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Binary Enclosures:

Thumbnail:

Enclosure type: Picture



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